

# PLANE TYPE COIL FOR MRI

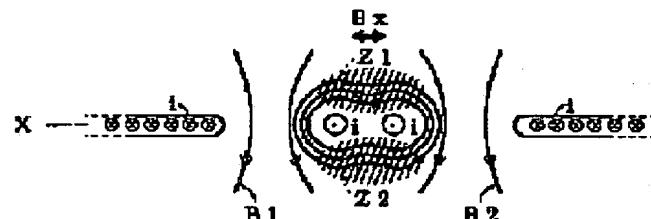
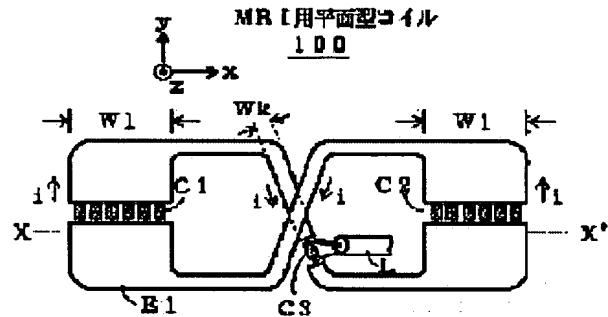
**Patent number:** JP9187437  
**Publication date:** 1997-07-22  
**Inventor:** OGINO TETSUO  
**Applicant:** GE YOKOGAWA MEDICAL SYST LTD  
**Classification:**  
 - International: A61B5/055; G01R33/385  
 - european:  
**Application number:** JP19960001826 19960109  
**Priority number(s):**

[Report a data error here](#)

## Abstract of JP9187437

**PROBLEM TO BE SOLVED:** To improve an SNR by making the width of an element at a part corresponding to 8-figured upper and lower sides of a plane type coil for MRI (magnetic resonance imaging) larger than the width of an element at a part corresponding to an 8-figured crossing side thereof to suppress the generation of an excess sensitivity area.

**SOLUTION:** This plane type coil 100 for MRI has an 8-figured element E1 and, when the 8 figure of the element is viewed vertically, the width W1 of the element at a part corresponding to upper and lower sides of the coil is about two-ten times as much as the width Wk of the element at a part corresponding to an 8-figured crossing side thereof. In other words, as the width W1 of the element at the part corresponding to the 8-figured upper and lower sides is larger than the width Wk of the element corresponding to the 8-figured crossing side, a larger magnetic path surrounding the 8-figured upper and lower sides can reduce the intensity of magnetic fluxes B1 and B2 surrounding the 8-figured upper and lower sides. Thus, the generation of an excess sensitivity area near the element at the part corresponding to the 8-figured upper and lower sides is suppressed, thereby restricting the generation of undesired vibration magnetic fields and the accidental catching of noises.



Data supplied from the [esp@cenet](mailto:esp@cenet) database - Patent Abstracts of Japan

**BEST AVAILABLE COPY**